

Survey test: Division with whole numbers

914866 Tim Fiegen	Skill	Criterion (score in %)
1. Identify symbols for division by circling problems that require division.	$\begin{array}{r} 4 \\ +4 \end{array}$ 6×3 6×2 $7 - 4$ $\frac{6}{2}$ $4 \overline{)16}$ 7×4 $8 \div 2$ $\frac{9}{3}$ $\frac{13}{\times 7}$ 4×1 $\begin{array}{r} 6 \\ -2 \end{array}$ $8 \overline{)64}$ $6 + 2$ $9 = 3$	<input type="text"/>
2. Compute basic division facts involving 1.	$1 \overline{)8}$ $1 \overline{)7}$ $1 \overline{)1}$	<input type="text"/>
3. Compute basic division facts.	$4 \overline{)36}$ $7 \overline{)42}$ $8 \overline{)56}$	<input type="text"/>
4. Compute division of a nonzero number by itself.	$7 \overline{)7}$ $29 \overline{)29}$ $1 \overline{)1}$	<input type="text"/>
5. Compute quotient of a one- or two-place dividend and a one-place divisor with a remainder.	$3 \overline{)7}$ $4 \overline{)7}$ $2 \overline{)9}$ $8 \overline{)74}$ $6 \overline{)39}$ $3 \overline{)17}$	<input type="text"/>
6. Compute quotient with expanding dividend.	$3 \overline{)9}$ $3 \overline{)90}$ $3 \overline{)900}$ $2 \overline{)6}$ $2 \overline{)60}$ $2 \overline{)600}$ $4 \overline{)8}$ $4 \overline{)80}$ $4 \overline{)800}$	<input type="text"/>
7. Compute quotient of a three-place dividend with a one-place divisor.	$8 \overline{)638}$ $6 \overline{)461}$ $3 \overline{)262}$	<input type="text"/>
8. Compute quotient of a many-place dividend with a one-place divisor.	$7 \overline{)47,864}$ $6 \overline{)2783}$ $3 \overline{)578,348}$	<input type="text"/>
9. Compute quotient of a three-place dividend and a two-place divisor where divisor is a multiple of 10.	$40 \overline{)681}$ $30 \overline{)570}$ $10 \overline{)874}$	<input type="text"/>
10. Compute quotient when divisors are 100, 1000, and so on.	$100 \overline{)685}$ $100 \overline{)4360}$ $100 \overline{)973}$ $1000 \overline{)6487}$ $1000 \overline{)99,490}$ $1000 \overline{)7430}$	<input type="text"/>
11. Compute a quotient of a three-place dividend and a two-place divisor.	$27 \overline{)685}$ $39 \overline{)871}$ $14 \overline{)241}$	<input type="text"/>
12. Compute quotient of a many-place dividend and a many-place divisor.	$649 \overline{)78,741}$ $3641 \overline{)100,877}$ $247 \overline{)8937}$	<input type="text"/>

Note: When this test is administered, the directions for items 2–12 should simply state: Solve the following division problems.

from - Teaching Students with Learning Problems, 8th Edition,
Cecil D. Mercer; Ann R. Mercer; Paige C. Pullen (2011)